

## Pollution Poster

### 30 points

To review information about water and air pollution, you and a partner are going to create a poster to educate others about sources, types, impacts, and clean up of pollution. Half of the class will focus on water pollution while the other half will focus on air pollution. You may use your notes from class to help you.

It will be graded on the following criteria:

#### Information (20 points)

- You must include the following information somewhere on your poster
  - Define pollution AND explain **sources** of pollution
  - Name and explain **types** of pollutants
  - Explain the **impact** pollutants have on humans and the environment
  - Explain ways the pollution is **treated** and/or how it can be **prevented**
- For more detail regarding what to include and where you can find this information in your notes, see the back of this sheet under type of pollution (water vs air) assigned to you

#### Pictures (5 points)

- Include a visual representation of some of your facts. Theses could include but are not limited to:
  - Pictures of the pollutants themselves
  - Pictures of places from which pollution is released
  - Pictures of the impact the pollution has on humans/environment
  - Diagrams of the treatment/clean up process
- These could be drawn by hand or printed from the computer
- Either way they need to be COLORED

#### Overall Appearance (5 points)

- Attractiveness
  - Your poster should be informative but also neatly done
- Color
  - Neatly add color to your poster
- Organization
  - Give your poster a title (ex: water or air pollution)
  - The entire poster paper should be filled (no large blank gaps)
  - The poster needs to be organized so that it is logical and easy to read
  - Use bullet points to outline important facts rather than writing paragraphs or random statements

# WHAT SPECIFIC INFORMATION DO I NEED AND WHERE CAN I FIND IT IN MY NOTES?

## Water Pollution

### *Definition of Pollution*

- You can find a definition for pollution in general with your water pollution notes under the background section

### *Sources*

- Examples of point **AND** nonpoint sources

### *Types*

- Define/explain examples of **3** of the following
  - Chemical pollutants
  - Pathogens
  - Organic wastes
  - Sediments
  - Nutrients

### *Impact*

- Explain the **8 step** sequence of eutrophication

### *Treatment/Prevention*

- Explain how eutrophication can be combated by
  - Attacking the symptoms
  - Cutting down on nitrogen and phosphorus in water
- **OR** explain the **5 steps** outlining how pollutants are removed from sewage
- **OR** explain the **3 ways** to treat sludge

## Air Pollution

### *Definition of Pollution*

- You can also find a definition for air pollutants more specifically with your air pollution notes under its background section

### *Sources*

- Examples of natural **AND** human sources

### *Types*

- Define **AND** give examples of
  - Primary pollutants
  - Secondary pollutants
- **OR** define/explain the 2 types of smog **AND** acid precipitation

### *Impact*

- Explain how air pollution affects **3** of the following
  - Human Health
  - Materials and Buildings
  - The Environment
  - The Greenhouse Effect
  - The Ozone Layer

### *Treatment/Prevention*

- Explain the control strategies used to limit CFCs **AND** pollutants from motor vehicles
- **OR** explain the different legislation that has passed to control pollution